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(71) Applicant: **NIPPON ATOM IND GROUP CO  
LTD  
TOSHIBA CORP**

(72) Inventor: **SHIRAI TAKAMORI  
TAJIMA FUMIO**

(74) Representative:

### **(54) METHOD FOR BACKWASHING HOLLOW YARN MEMBRANE FILTER**

(57) Abstract:

**PURPOSE:** To enhance the removal efficiency of fine particles adhered to a hollow yarn membrane, by allowing a small amount of a filtrate and air bubbles to permeate the hollow yarn membrane from the interior thereof by introducing compressed air into the hollow yarn membrane while vibrating the liquid in a container having hollow yarns received therein.

**CONSTITUTION:** Treating liquid sumps 4a, 4a' partitioned by seal parts 7, 7' of hollow yarn membrane receiving containers 4, 4' are connected to a treating liquid supply pipe 9 having valves 8, 8' and a treating liquid having fine particles dispersed and floated therein is supplied to said treating liquid sumps 4a, 4a' from a treating liquid tank 10 by a treating liquid supply pump 11. On the other hand, an air bubble generating nozzle 28 having a nozzle orifice size of  $1\text{W}2\text{mm}\phi$  is provided to the bottom part of the hollow yarn membrane receiving container 4 and connected to a

compressed air supply arranged pipe 24. By this inventive backwashing method of the hollow yarn membrane, almost 100% of backwashing efficiency is obtained at every cycle within a short time and initial membrane differential pressure hardly changes.

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